Nitrogen Index 1987

NITROGEN 1987

LIST OF CONTENTS

Issue Number 165
January-February 1987

	Page
World urea trade	8
Pakistan	14
United Kingdom	19
United States	23
Revamping ammonia converters	27
Latest nitric acid process design	32

Issue Number 166
March-April 1987

The use of bagged fertilizer	6
South America	12
China	16
Canada	19
Natural gas reformer design for ammonia plants: I	24
D.M. Weatherly's new nitric acid design	32
Mississippi Chemical's low emission ammonium nitrate neutralizer	36
Technical trends	39

Issue Number 167
May-June 1987

Shipping costs	6
Nitrate pollution	14
Nitrogen project review	20
Spain	24
Utilization of expansion turbines in nitric acid manufacture	28
Natural gas reformer design for ammonia plants II	31

Issue Number 168
July-August 1987

	Page
Transport of dangerous goods	7
Western Europe	16
Ammonium sulphate	24
LTS catalysts	29
Nitrate removal from water	38
Technical trends	43

Issue Number 169
September-October 1987

The Gulf Central System	8
Kwinana project	16
Nigeria	18
Indonesia	22
Dust control	27
Ammonia synthesis loop modification	31
Converter revamping	33
Control systems	35

Issue Number 170
November-December 1987

Ammonia freight rates	10
Ammonia capacity	16
Spain	23
Trinidad and Tobago	25
Hydrogen and ammonia from refinery gas	31
Technical trends	36

SUBJECT INDEX

The issue number is followed by the page number

Ammonia
Capacity (170) 16
Feedstock from by-products (170) 31
Freight rates (170) 10
LTS catalysts (169) 29
Retrofitting (165) 25
Synthesis loops (168) 43, (169) 31
Transportation system in the US (169) 8

Ammonia/Urea
Complex in Nigeria (169) 18
Project in Australia (169) 16

Ammonium Nitrate
Neutralizer (166) 36
Transportation (168) 7

Ammonium sulphate
Market (168) 24

Caprolactam
Crystallization process (170) 37

Fabric filters
Use for dust control in fertilizer plants (169) 27

Fertilizers
Distribution systems to farmers (166) 6
Dry cargo freights (167) 6
Industry restructuring in Spain (167) 24, (170) 23; in Western Europe (168) 16
Situation and outlook in Canada (166) 19; in UK (165) 19

Granulation
Process (166) 39

Natural gas
Basis for industrial diversification in Trinidad (170) 25
Reformer design (166) 24

Nitrates
Pollution (167) 14
Removal from water in the UK (168) 24

Nitric acid
Expansion turbines used in plants (160) 29
Plant design (166) 32
Process design (165) 32

Nitrogen fertilizers
Capacity (166) 20
Consumption in US (165) 23
Industry in Indonesia (169) 22
Imports by China (166) 16
Process control (169) 35
Situation and outlook in South America (166) 12

Nitrogen Oxides
Removal (168) 44, (170) 36

Urea
Anti-caking agent (166) 40
Exports from Pakistan (165) 14
Trade and marketing (165) 8

COUNTRY INDEX

Australia
Ammonia/urea project (169) 16

Canada
Fertilizers situation and outlook (166) 19

China
Nitrogen fertilizer imports (166) 16

Indonesia
Nitrogen fertilizer industry (169) 22

Nigeria
Ammonia/urea complex (169) 18

Pakistan
Urea exports (165) 14

South America
Nitrogen fertilizer situation and outlook (166) 12

Spain
Fertilizer industry restructuring (167) 24

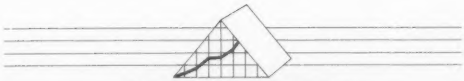
Trinidad
Natural gas-based industries (170) 25

UK
Fertilizer situation and outlook (165) 19
Nitrate removal from water (168) 24

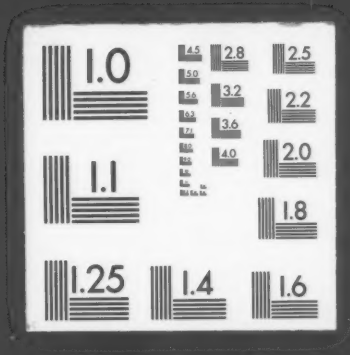
US
Ammonia transportation system (169) 8
Nitrogen fertilizer consumption (165) 23

Western Europe
Fertilizer industry restructuring (168) 16

World
Ammonia capacity (170) 16
Ammonium nitrates transportation (168) 7
Ammonium sulphate market (168) 20
Nitrogen fertilizer capacity (166) 20



BRITISH SULPHUR
CONSULTANTS AND PUBLISHERS IN FERTILIZERS AND CHEMICALS


1.0
1.1
1.25
1.4
1.6
2.8
2.5
3.2
2.2
3.6
2.0
4.0
1.8